

What is claimed is:

1. A controller comprising:

5 a plurality of control units each set at a different position of a vehicle for
controlling opening and closing of a corresponding one of mobile structures; and
a communication line having an interface and connecting said control units for
allowing communications among said control units;

10 wherein a specified one of said control units is adapted to transmit an operating
signal, in response to a switch operation thereon, to another of said control units through
said communication line to make the mobile structure corresponding to said another
control unit operable; and

15 wherein at least said specified control unit has a detector function of detecting an
underwater condition and a communication preventing function of applying a constant
voltage to said interface of said communication line and thereby preventing
communications through said communication line if an underwater condition is detected
by said detector function.

2. The controller of claim 1 wherein said constant voltage is higher than the
ground voltage.

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3. The controller of claim 1 wherein said constant voltage is the ground
voltage.

25 4. The controller of claim 1 wherein said interface comprises a switching
element for being switched on and off and thereby causing selectively a higher voltage
and a lower voltage to be applied to said communication line and wherein said specified
control unit is adapted to prevent communications through said communication line by
applying said constant voltage to a drive line to said switching element and thereby
keeping said switching element switched on or off.

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5. The controller of claim 2 herein said interface comprises a switching element for being switched on and off and thereby causing selectively a higher voltage and a lower voltage to be applied to said communication line and wherein said specified control unit is adapted to prevent communications through said communication line by
5 applying said constant voltage to a drive line to said switching element and thereby keeping said switching element switched on or off.

6 The controller of claim 3 wherein said interface comprises a switching element for being switched on and off and thereby causing selectively a higher voltage
10 and a lower voltage to be applied to said communication line and wherein said specified control unit is adapted to prevent communications through said communication line by applying said constant voltage to a drive line to said switching element and thereby keeping said switching element switched on or off.

15 7. The controller of claim 1 wherein said interface comprises a communication IC having a transmission port and wherein said specified control unit is adapted to prevent communications through said communication line by applying said constant voltage to said transmission port.

20 8. The controller of claim 2 wherein said interface comprises a communication IC having a transmission port and wherein said specified control unit is adapted to prevent communications through said communication line by applying said constant voltage to said transmission port.

25 9. The controller of claim 3 wherein said interface comprises a communication IC having a transmission port and wherein said specified control unit is adapted to prevent communications through said communication line by applying said constant voltage to said transmission port.